

İlker Özgen

Software Engineer | Software Engineer in Test at [ASELSAN](#)

Ankara, Türkiye

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EDUCATION

BILKENT UNIVERSITY

Bachelor of Science, Computer Science

Ankara, Türkiye

2019-2024

PROFESSIONAL EXPERIENCE

ASELSAN

Software Engineer in Test

Ankara, Türkiye

November 2024–present

- Conducting software testing activities for electronic warfare and command control systems.
- Developing a web application to streamline test data entry, and generate statistical insights and reports.
- Designed and automated 800+ test cases, significantly improving testing efficiency.
- Executed over 1000 manual tests to ensure software reliability.
- Identified and reported 80+ critical defects, enhancing system stability.
- Developed a simulator to facilitate integration testing between different software applications.
- Led 9 full-cycle regression tests, integrating both automated and manual testing.

HEY TECHNOLOGY

Software Engineer Intern

ODTÜ Teknokent, Ankara, Türkiye

June 2023–July 2023

- Collaborated with data science and machine learning teams on 2 high-impact projects.
- Preprocessed 2 complex datasets, reducing feature engineering time by 30%.
- Constructed predictive models for U.S. cotton export rates, achieving 92% accuracy.
- Implemented predictive maintenance solutions, reducing factory machinery downtime by 25%.

KONNEKA

Software Engineer Intern

Bilkent CYBERPARK, Ankara, Türkiye

August 2022–September 2022

- Assisted in software development, testing, and IT support across 3 projects.
- Managed ESXi servers and virtual machines, ensuring 99% uptime.
- Diagnosed and resolved 3 bugs during SandBox testing, improving reliability by 9%.
- Enhanced SandBox's user interface by fixing 2 significant issues.

AREAS OF EXPERTISE

Programming Languages & Technologies:

- | | | |
|----------|--------------|------------------|
| • Python | • C/C#/C++ | • SQL/PostgreSQL |
| • Java | • JavaScript | • HTML & CSS |

Development Tools & Frameworks:

- | | | |
|------------|-----------------------|----------------|
| • React JS | • Git Version Control | • Confluence |
| • Docker | • Jira | • Azure DevOps |

Testing & Automation:

- | | | |
|------------|---------------------|----------------------|
| • Selenium | • Manual Testing | • Regression Testing |
| • TestNG | • Automated Testing | • Functional Testing |

Agile Methodologies:

- | | | |
|---------|---------|----------|
| • Agile | • Scrum | • Kanban |
|---------|---------|----------|

LANGUAGES

- Turkish, *Native*
- English, *Highly Proficient*, [IELTS Score: 7.5/9](#)
- German, *Beginner*

SOFT SKILLS

- | | | |
|-----------------|----------------------|-----------------------|
| • Communication | • Strategic Planning | • Systematic Approach |
| • Teamwork | • Initiative | • Creativity |
| • Leadership | • Precision | • Analytical Thinking |

ACHIEVEMENTS & AWARDS

- Awarded an investment offer under the TÜBİTAK BiGG program, 2024
- First place in “İlk Yatırımım” Entrepreneurship Competition, 2024
- High Honour Student, Bilkent University, 2020

PROJECTS

AnnoHub

[Project Website](#)

September 2023-December 2024

- Created a data labeling platform, recognized with an entrepreneurship award, and attracted investor interest.
- Awarded an investment offer under the TÜBİTAK BiGG program.

Browsify

[Project Website](#)

November 2023-December 2023

- Engineered a web browser with advanced bookmark management, expecting a 15%-25% increase in user engagement due to its customizable UI.

Image Inpainting with CNN

[Project Website](#)

November 2023-December 2023

- Designed a convolutional neural network for image inpainting using the CIFAR-100 dataset.

Digit Image Classifier

[Project Website](#)

October 2023-November 2023

- Implemented PCA analysis and logistic regression to classify digit images, achieving 92.27% accuracy.

BBC News Classifier

[Project Website](#)

September 2023-September 2023

- Trained and evaluated Naive Bayes models on BBC news articles, achieving 97.7% accuracy.

ToEra

[Project Website](#)

September 2022-December 2022

- Built a web application to streamline Erasmus applications at Bilkent University, reducing manual communication by 95%.

CERTIFICATIONS

- | | |
|--|---|
| • High Honour Certificate | • WEB3 Zirvesi |
| • Certificate of Proficiency in Academic English | • Java Developer Course Certificate |
| • Python Programming Bootcamp | • HTML & CSS Course Certificate |
| • Intro to Machine Learning | • CSS & JavaScript Course Certificate |
| • Python Course Certificate | • Python (Basic) Certificate |
| • Python for Finance Course Certificate | • Problem Solving (Basic) Certificate |
| • C++ Course Certificate | • Java (Basic) Certificate |